UC Berkeley postdoctoral position

Theory and simulation of the self-assembly of metal-organic frameworks

Position Description. Work with theorists and experimentalists at UC Berkeley and the Molecular Foundry at Lawrence Berkeley National Laboratory to develop simulation models of the self-assembly of metal-organic frameworks (MOFs). Work will include making predictions for how to achieve a defined spatial distribution of component types within multicomponent MOFs.

Qualifications required. Ph.D. in theoretical condensed matter physics, chemistry, materials science, or a related discipline whose focus is the study of phase transformations in complex materials. The position would suit a candidate with a statistical mechanics background and expertise in molecular simulation. Experience with theory-experiment collaborations is desirable: the theorist will work with the experimental group of Prof. Omar Yaghi and the theoretical group of Dr. Stephen Whitelam.

To apply: Please email a cover letter and CV to Dr. Stephen Whitelam (`swhitelam@lbl.gov`), with subject line 'Application for MOF postdoc position'.

The University of California is an Equal Opportunity/Affirmative Action Employer committed to excellence through diversity. Applicants should review the UC Berkeley Statement of Confidentiality found at `http://apo.chance.berkeley.edu/evalltr.html`.

The Molecular Foundry at Lawrence Berkeley National Laboratory is a user facility for the design, synthesis and characterization of materials with nanometer dimensions. One of five such Nanoscale Science Research Centers recently established by the U.S. Department of Energy, its charter defines two primary missions: a) conduct outstanding research across the breadth of nanoscience; and b) collaborate with scientists from around the world who visit to use its state-of-the-art instruments, techniques and expertise to further their own nanoscience research efforts.